

- ☐ **Liferafts** 46 CFR 199.261
- Launching instructions posted
 - Stowage MSM Ch. 6.R.3.f
 - Annual service dates 46 CFR 199.190(g)
-
-
- Hydro release service dates 46 CFR 199.190(h)
MSM Ch. 6.R.3.h
-
-
- Weak link
 - Float free
 - Markings 46 CFR 32.05-5
 - Capacities
- ☐ **Lifefloats and buoyant apparatus** 46 CFR 199.640
- Equipment
 - Stowage
 - Markings
- ☐ **Sea painter** 46 CFR 199.175(b)(21)
- Secured
 - Weak link
 - Cleat
- ☐ **Lifebuoys** 46 CFR 199.640
MSM Ch. 6.R.3.i
- Lights
 - Lines
 - Smoke signals
 - Stowage
 - Markings
- ☐ **Lifejackets** 46 CFR 199.620
MSM Ch. 6.R.3.m
MSM Ch. 6.R.3.q
- Retro-reflective tape
 - Lights
 - Whistles
 - Work vests
 - Stamped passed
 - Markings 46 CFR 32.05-5
 - Number of lifejackets rejected by inspector _____

Notes: _____

- ☐ **Lifejacket stowage** 46 CFR 199.70(b)
- Accessibility
 - Required notices and markings 46 CFR 199.80(c)
 - Stowage lockers 46 CFR 199.70(b)(2)
 - Wearing instructions 46 CFR 199.80(c)
46 CFR 199.217
- ☐ **Immersion suits** 46 CFR 199.610(a)
MSM Ch. 6.R.3.n
- Condition
 - Retro-reflective material

Fire Protection Equipment:

- ☐ **Fire extinguishers**
- Controls, instructions, markings 46 CFR 34.50-15(a)
 - Annually serviced 46 CFR 95.50-10(a)
 - Markings (weight and hydrostatic test date) NVIC 7-70
 - Portable bottles hydrostatically tested (every 5 years) MSM Ch 18.I.3
 - Semiportable bottles hydrostatically tested (every 12 years) MSM Ch 18.I.4
 - Flexible loops tested or replaced (same as bottle) NVIC 13-86
 - Hose and diffuser

Required		On Board	
Number	Class	Number	Class

Notes: _____

Vapor Control Systems:

- ☐ Piping 46 CFR 39.20-1
- Drain lines
 - Electrically bonded to hull
 - Flange stud
 - Vapor connection painted red / yellow / red and labeled vapor in 2-inch black letters
- ☐ Closed gauging arrangement 46 CFR 39.20-3
- ☐ Liquid overfill protection 46 CFR 39.20-9
- High-level and tank overfill alarms
 - Alarm with automatic shutdown system
 - Spill valve
 - Rupture disk
 - Intrinsically safe
 - Audible and visual alarms
 - Operational test

Thermal Fluid Heaters:

- ☐ Visual inspection 46 CFR 61.30-15
- Combustion chamber
 - Refractory
 - Exhaust
 - Heat exchanger
 - Pumps
 - Piping
- ☐ Test procedures 46 CFR 63.10-1

Notes: _____

- ☐ Periodic test and inspection of boilers in accordance with 46 CFR Table 61.05-10

Boiler ID Number	Date Hydrostatically Tested	Date Mountings Opened	Date Mountings Removed and Studs Examined	Flt/side	Wt/side	External

- ☐ Boiler safety valves 46 CFR 52.01-120(a)
- ☐ Fusible plugs 46 CFR 52.01-50
46 CFR Table 61.05-10
MSM Vol. IV Ch. 3.1.3.b
- Examined _____
Renewed at this inspection _____
- ☐ Fuel systems 46 CFR 56.50-65
- Remote shutoff valves
 - Reliefs and bypass valves
 - Strainers
 - Piping
 - Fuel tanks
 - Filling and venting
 - Gauges

Auxiliary Machinery:

- ☐ Internal combustion engines 46 CFR 58.10-10
ABS Rules
- Spark arrestor
 - Controls
 - Insulation
 - Exhaust
 - Cooling
 - Fuel system

Notes: _____

<input type="checkbox"/>	Piping and valves	46 CFR 56.04
	<ul style="list-style-type: none"> Expansion joints Valve controls Supports Flanges Containment Materials 	46 CFR 32.50-15
<input type="checkbox"/>	Hoses	46 CFR 32.50-30
	<ul style="list-style-type: none"> External examination Hydrostatic test Markings 	33 CFR 155.800 33 CFR 156.170 33 CFR 154.500
<input type="checkbox"/>	Cargo pumps and engines	
	<ul style="list-style-type: none"> Controls and shutdowns Relief valves Gauges Engine fuel system Spark arrestor Cover 	46 CFR 32.50-55 46 CFR 32.50-5
<input type="checkbox"/>	Pumprooms	46 CFR 32.60-20
	<ul style="list-style-type: none"> Electrical installation Ventilation Bulkhead penetrations Gas-tight boundaries Cofferdams Fire extinguishing 	46 CFR 36.20-5 46 CFR 34.05-5

Notes: _____

Pollution Prevention:

NOTE: Guidance for inspecting pollution prevention items is detailed in MSM Volume II, Chapter 31.

<input type="checkbox"/>	Pollution placard posted	33 CFR 155.450
<input type="checkbox"/>	Person-in-charge designation	33 CFR 155.700 33 CFR 155.820
<input type="checkbox"/>	Fuel oil containment	33 CFR 155.320
	<ul style="list-style-type: none"> Portable Fixed 	
<input type="checkbox"/>	Fuel tank vents	46 CFR 56.50-85
	<ul style="list-style-type: none"> Flame screens Closures 	
<input type="checkbox"/>	Deck lighting	33 CFR 155.790
<input type="checkbox"/>	Oily waste retention	33 CFR 157.17
	<ul style="list-style-type: none"> Bilge Tank 	
<input type="checkbox"/>	Ballast discharge	33 CFR 155.330 33 CFR 155.350 33 CFR 155.360 33 CFR 155.370
	<ul style="list-style-type: none"> Acceptable processing equipment 	
<input type="checkbox"/>	Oily bilge discharge	
	<ul style="list-style-type: none"> Piping system Stop valve Standard discharge connection Pump stop 	33 CFR 155.430
<input type="checkbox"/>	Prohibited oil spaces	33 CFR 155.470
<input type="checkbox"/>	Emergency shutdown	33 CFR 155.780 46 CFR 32.50-35

Notes: _____

- | | |
|--|---|
| <input type="checkbox"/> Hull openings and closures <ul style="list-style-type: none"> • Hatch covers • Closing devices, gaskets • Light / water test | 46 CFR 42.15
MSM Ch. 6.F.5
ICLL 66 Regs. 12 - 23 |
| <input type="checkbox"/> Deck openings and closures <ul style="list-style-type: none"> • Closing devices • Gaskets • Light / water test | MSM Ch. 6.F.5
ICLL 66 Regs. 12 - 20 |
| <input type="checkbox"/> Rakes <ul style="list-style-type: none"> • Opened <ul style="list-style-type: none"> Yes No • Evidence of cargo or water | 46 CFR 31.10-21(b) |
| <input type="checkbox"/> Guards, ladders, rails, and gangways lifelines (including accommodation ladders or pilot ladders) | 46 CFR 32.02-10
46 CFR 92.25
46 CFR 42.15-75
ICLL 66 Reg. 25 |
| <input type="checkbox"/> Cargo gear examined (in absence of Cargo Gear Certificate) <ul style="list-style-type: none"> • Tested • Records • Safe Working Load markings | 46 CFR 31.10-16
46 CFR 91.37 |
| <input type="checkbox"/> Gas freeing for repairs <ul style="list-style-type: none"> • Current Gas Chemist Certificate for areas as required • Date _____ • Chemist No. _____ | 46 CFR 35.01-1
MSM Ch. 5.I
NFPA 306 |
| <input type="checkbox"/> Hull marks <ul style="list-style-type: none"> • Name • Hailing port • Official number • Net tonnage | 46 CFR 67.121
46 CFR 67.123 |
| <input type="checkbox"/> Draft marks <ul style="list-style-type: none"> • Legible • Properly sized • Properly spaced | 46 CFR 32.05-1
46 CFR 97.40-10 |

Notes: _____

Marine Sanitation Devices:

NOTE: Guidance for inspecting marine sanitation devices is detailed in MSM Volume II, Chapter 18.K.

- | | |
|---|---|
| <input type="checkbox"/> Marine sanitation device | 33 CFR 159.55
MSM Ch. 31.F |
| <div style="padding-left: 40px;">Type I</div> <div style="padding-left: 40px;">Type II</div> <div style="padding-left: 40px;">Type III</div> | |
| <input type="checkbox"/> Certified for inspected vessels | MSM Ch. 31.F.4 |
| <input type="checkbox"/> Capacity satisfactory | MSM Ch. 18.K.7.d |
| <input type="checkbox"/> Installation <ul style="list-style-type: none"> • Operation • Ventilation • Wiring and piping • Maintenance • Placard posted • Safety • Accessibility to parts requiring routine servicing • Manufacturer's instructions available | 33 CFR 159.57
MSM Vol. IV Ch. 3.K.1

33 CFR 159.59 |

Notes: _____

Section 3: Inspection Items

Navigation Equipment:

- ☐ Navigation lights and signals 72 COLREGS
- Running lights
 - Anchor lights
 - Distress signals and stowage (manned barges)
 - Anchor ball(s) or shape(s)

General Health and Safety:

- ☐ Accommodations 46 CFR 32.40-60
46 CFR 92.20
MSM Ch. 13.C
- Size
 - Lighting and wiring
 - Heating
 - Ventilation 46 CFR 92.15-15
 - Sanitation
 - Screens
 - Insulation
 - Fire retardant 46 CFR 32.57
- ☐ Paint, oil and lamp stowage
- Closures
 - Fireproof / metal lined 46 CFR 32.85-1
 - Lighting / electrical 46 CFR 92.05-10
 - Fire protection
 - Markings
- ☐ Storerooms
- Stowage
 - Fire hazards
 - Lighting
- ☐ Personnel safety hazards throughout vessel
- ☐ Warning notices and signals posted 46 CFR 35.30-1
MSM Ch. 10.C.4

Notes: _____

- ☐ Hull and/or structural members gauged for material thickness 46 CFR 31.10-21(a)
ABS Steel Rules 1/3

Yes (attach gauging report)

- ☐ Transverse belt of deck plating
- ☐ Transverse belt of bottom and sideshell
- ☐ Wind-and-water strakes
- ☐ Keel plates
- ☐ Bulkhead plating and stiffeners
- ☐ Suspect areas
- ☐ Other _____

No

- ☐ Vessel carefully examined for fractures and previous fracture repairs MSM Ch. 8.B.6.d
NVIC 15-91, Change 1
- ☐ Fastenings MSM Vol. IV Ch. 6.H
NVIC 3-68
- Rivets
 - Welding
- ☐ Cargo hatches MSM Ch. 6.F.5
MSM Vol. IV Ch. 6.I.5
- Dogs or other securing appliances
 - Covers
 - Gaskets
 - Coamings
- ☐ Rudder(s) / skeg(s) MSM Ch. 8.E
ABS Rules
- ☐ Draft marks and load lines 46 CFR 32.05
46 CFR 97.40-10
MSM Ch. 6.F.4
- Proper locations
 - Legibly inscribed
 - Proper spacing and size
 - Load line markings verified
- ☐ Compartment or inner bottom drains (drydocking plugs secured)

Notes: _____

Certificates and Records:

- ☐ COI available
- ☐ Waste management plan (oceangoing manned barges ≥ 40 feet) 33 CFR 151.57
- ☐ Annual drug and alcohol program audit (manned barges only) 46 CFR Part 16
- ☐ Annual liferaft servicing certificates 46 CFR 160.151-57(p)
- ☐ Cargo Gear Certificate 46 CFR 31.10-16
46 CFR 91.37-75
- ☐ Information available to master (as required) / person-in-charge 46 CFR 31.10-22
46 CFR 97.12-1
 - Loading manual
 - Trim and stability book
- ☐ Equipment test records 33 CFR 156.170
 - Piping hydrostatic test
 - Hose hydrostatic test
 - Relief valves
 - Gauges

Pollution Prevention Records:

- ☐ Oil record book (Required only if barge is equipped to discharge any oil or oily mixture overboard) MARPOL Ax. I/20
33 CFR 151.25
 - Each operation signed by person-in-charge
 - Book maintained for 3 years
- ☐ Shipboard oil pollution emergency plan MARPOL Ax. I/26.1
33 CFR 151.26
 - Approved by Coast Guard / class society
 - Contact numbers correct
 - Immediate Actions List

Notes: _____

- ☐ Forward peak / rake
- ☐ Aft peak / rake
- ☐ Cargo tanks entered 46 CFR 31.10-21
46 CFR 91.40-3
MSM Ch. 8.B.4
MSM Ch. 8.B.6

_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Overall Condition of Coatings:

Poor		Good

N/A

Overall Steel Wastage:

Poor		Good

N/A

Valves and Through-Hull Fittings:

NOTE: Guidance on valves and through-hull fittings is detailed in MSM Volume II, Chapter 8.F.

- ☐ Sea chests, spool pieces, through-hull fittings 46 CFR 56.50-95
 - Strainers removed
 - Welds
 - Baffles
 - Strainer fastenings
 - Fastenings
 - Branch connections

Notes: _____

Vessel Information:

Classification Society	
Last Drydocking Date	Next Drydocking Date
Location of Last Drydocking	
Gross Tons	No Change (VFMD)
Net Tons	No Change (VFMD)
Built Date (use delivery date)	No Change (VFCD)
Overall Length (in feet)	No Change (VFMD)
Does vessel meet double-hull requirements?	
Yes No If not, vessel must meet requirements by _____ (date) in accordance with 33 CFR Part 157 Appendix G.	
Required Crew	
Number of Tankermen Required _____	Number of Lifeboatmen Required _____
Cargo Carried (inspected and approved)	
Type of Cargo _____	Amount of Cargo _____
Date Cargo Tanks Entered	

Vessel Description:

Subchapter D cargoes only

Subchapter I cargoes only

Subchapter D & O cargoes

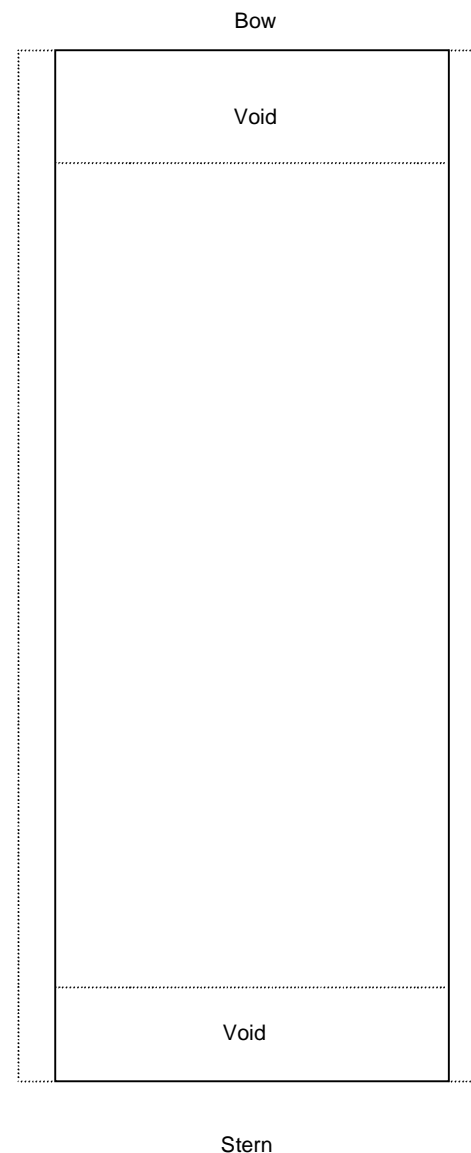
Subchapter I & O cargoes

Hull Type:

Type I

Type II

Type III

Section 5: Appendices**Vessel Layout:**

- Double hull / bottom / sides
- Ballast tanks
- Chemical tank type: I II III

IMO Applicability Dates:

Reference	Date
MARPOL 73/78 Annex I	02 OCT 83
MARPOL 73/78 Annex II	06 APR 87
MARPOL 73/78 Annex III	01 JUL 92
MARPOL 73/78 Annex V	31 DEC 88
IBC Code	After 01 JUL 86
BCH Code	Prior to 01 JUL 86
COLREGS 1972 <i>Various additional amendments to COLREGS</i>	15 JUL 77
Load Line 1966	21 JUL 68

Name of Vessel

VIN[illegible]

Notes:

Total Time Spent Per Activity:

Regular Personnel (Active Duty)			
ACTIVITY TYPE	ACTIVITY	TRAINING	(PERS) MI

TOTAL ADMIN HOURS	TOTAL TRAVEL HOURS
-------------------	--------------------

Reserve Personnel			
ACTIVITY TYPE	ACTIVITY	TRAINING	(PERS) MI

TOTAL ADMIN HOURS	TOTAL TRAVEL HOURS
-------------------	--------------------

Auxiliary Resources	
TOTAL BOAT HOURS	TOTAL AIRCRAFT HOURS

Conversions:

Distance and Energy				
Kilowatts (kW)	X	1.341	=	Horsepower (hp)
Feet (ft)	X	3.281	=	Meters (m)
Long Ton (LT)	X	.98421	=	Metric Ton (t)
Liquid (NOTE: Values are approximate.)				
Liquid	bbbl/LT	m ³ /t	bbbl/m ³	bbbl/t
Freshwater	6.40	1.00	6.29	6.29
Saltwater	6.24	.975	6.13	5.98
Heavy Oil	6.77	1.06	6.66	7.06
DFM	6.60	1.19	7.48	8.91
Lube Oil	7.66	1.20	7.54	9.05
Weight				
1 Long Ton	=	2240 lbs	1 Metric Ton	= 2204 lbs
1 Short Ton	=	2000 lbs	1 Cubic Foot	= 7.48 gal
1 Barrel (oil)	=	5.61 ft = 42 gal = 6.29 m ³	1 psi	= .06895 Bar = 2.3106 ft of water
Temperature: Fahrenheit = Celsius (°F = 9/5 °C + 32 and °C = 5/9 (°F – 32))				
0	=	-17.8	80	= 26.7
32	=	0	90	= 32.2
40	=	4.4	100	= 37.8
50	=	10.0	110	= 43.3
60	=	15.6	120	= 48.9
70	=	21.1	150	= 65.6
200	=	93.3	250	= 121.1
300	=	148.9	400	= 204.4
500	=	260	1000	= 537.8
Pressure: Bars = Pounds per square inch				
1 Bar	=	14.5 psi	5 Bars	= 72.5 psi
2 bars	=	29.0 psi	6 Bars	= 87.0 psi
3 Bars	=	43.5 psi	7 Bars	= 101.5 psi
4 Bars	=	58.0 psi	8 Bars	= 116.0 psi
9 Bars	=	130.5 psi	10 Bars	= 145.0 psi